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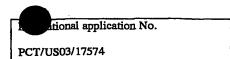
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(54) Title: HIGH-THROUGHPUT METHODS AND SYSTEMS FOR SCREENING OF COMPOUNDS TO TREAT/PREVENT KIDNEY DISORDERS

(57) Abstract: The invention concerns arrays, systems and methods for screening compounds, compositions or conditions useful to treat or prevent kidney diseases. These methods are useful to discover, optimize and select compounds, compositions, or conditions that prevent, inhibit, induce, modify, or reverse physical-state transitions, particularly in-vivo physical-state transitions relating to disease causing processes such as development and growth of renal calculi. Such compounds, compositions, or conditions can be exploited to treat, prevent or manage the disease itself, the cause of the disease, or the symptoms of the disease. Figure (1) is an illustrative flow chart describing a method for preparing supersaturated solutions for high throughput screening and analyzing the samples.







A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C12Q 1/00;A61K 35/22, 49/00 US CL : 435/4; 424/558, 9.1 According to International Patent Classification (IPC) or to both national classification and IPC								
B. FIELDS SEARCHED								
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/4; 424/558, 9.1								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched								
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet								
C. DOCUMENTS CONSIDERED TO BE RELEVANT								
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.					
Y	US 5,591,730 A (STOLLER et al) 07 January 1997	(07.01.1997), see entire document.	1-102					
Y US 5,618,917 A (TOBACK et al) 08 April 1997 (08.04.1997), see entire document.			1-102					
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